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ME 343-006: Mechanical Laboratory I

Balraj Mani

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New Jersey's Science & Technology University

NEWARK COLLEGE OF ENGINEERING

ME 343 MECHANICAL LABORATORY – I

January 21, 2021

Spring 2021

COURSE ADMINISTRATIVE INFORMATION

Course Name:	Mechanical Laboratory – 1 (2-2-3)
Course-Section Number:	ME343-002 / 006
Class meeting room / laboratory:	Asynchronous - online
After Class office room:	WebEX
Instructor's Name:	B. S. Mani
Office Telephone:	(973) 596-3339
Cell Phone :	(630) 345-0558 - preferred
e-mail id:	mani@njit.edu
Teaching Assistant(002):	Ms. Hongling Deng
e-mail id:	hd242@njit.edu Tel : (201) 772-6516
Teaching Assistant(006):	Mr. Tony Guo
e-mail id:	gg239@njit.edu Tel.: (973) 818-7127
Class meeting hours (002):	Mon: 2:30 to 4:25 PM & Thur: 12:30 to 3:20 PM
Class meeting hours (006):	Mon: 9:00 AM to 1:20 PM
After Class office hours:	By Team (by appointment)
Complaints / Compliments:	Dr. Joga Rao; (973) 596-3330 i.j.rao@njit.edu

TEXTBOOK

J. P. Holman, Experimental Methods for Engineers, 8th Edition, McGraw Hill, 2012

COURSE DESCRIPTION

Laboratory and lecture in instrumentation and measurement for mechanical engineering students. Applications for the sensing of such variables as pressure, temperature, mass flow, and displacement. Particular attention to the applicability and sensitivity of instruments.

Prerequisites: EE 405, Math 225, Mech 236. ME 304.

HOMEWORK

Assignments are due as scheduled - Penalty for late submission: 10%

Homework grade based on 'efforts' rather than 'correctness'

Homework solutions will be explained in class, typically in the class following due date

Contd...

MIDTERM & FINAL EXAM

ProctorU / Review+ / WebEx

LABORATORY REPORT

All reports shall be individually completed and submitted on schedule, on Canvas

Penalty for late submission: 10%

Group discussion is encouraged but not writing 'Group Report'

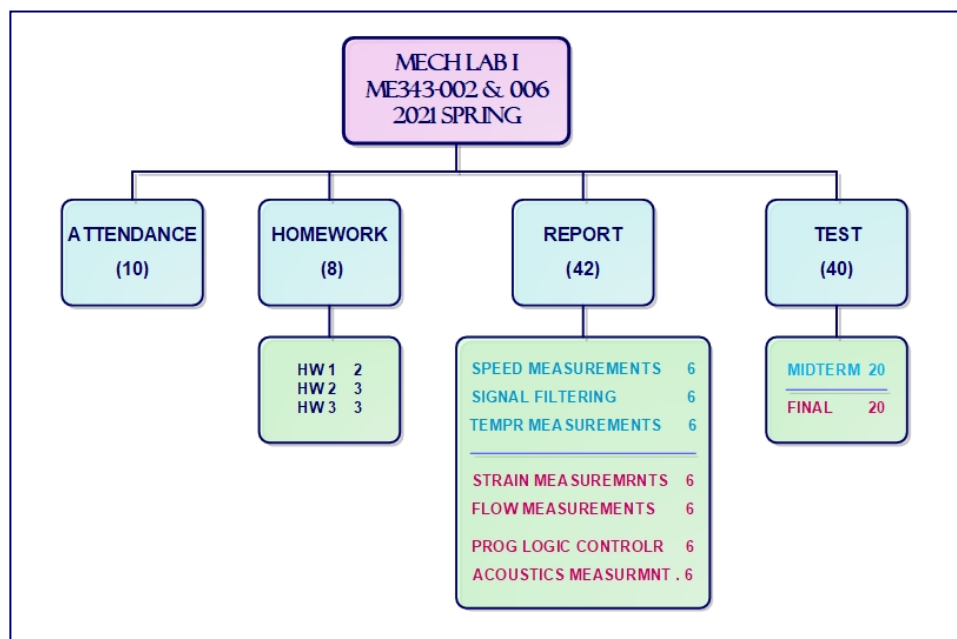
Grade for identical reports or very similar reports, will be divided among the number of students involved

Laboratory report must follow the formal report format suggested

Grades in case of resubmitted reports (if allowed), will be averaged with the original grade

NO cheating in any manner in any laboratory report(s) / test(s) will be tolerated

GRADING SCHEME



LETTER GRADE	QUANTITATIVE REQUIREMENT	QUALITATIVE ACHIEVEMENT
A	90% & above	Superior Achievement
B plus	85% to 89.99%	Excellent Achievement
B	80% to 84.99%	Very Good Achievement
C plus	75% to 79.99%	Good Achievement
C	70% to 74.99%	Acceptable Achievement
D	60% to 69.99%	Minimum Achievement
F	59.99% and below	Inadequate Achievement

GENERAL REQUIREMENTS

- Regular attendance to all lecture classes is required
 - Staying attentive to lectures during class is expected
 - 30 minutes or more delay in arriving at the lecture/lab session will be treated as absence
 - Assignments shall be submitted on schedule – *penalty for late submission(s): 10%*
 - Reasonably equal participation in team Laboratory Experiment is expected
 - Team working for all general homework is highly encouraged
 - Taking the Midterm & Final Examination is *mandatory to receive a final course grade*
 - Safety instructions inside the laboratory shall be obeyed
 - IPOD and Cell Phone use during Class or Laboratory will NOT be allowed
 - Make-up examination, except for authentic medical reason(s), will NOT be allowed
 - No tolerance for *cheating* in any manner in any test OR in report preparation
 - Any student found copying a report will be awarded zero for that report – with no option to resubmit
 - Any student found *cheating during a test* will be awarded a course grade of 'F.'
 - Please refer to the University Policy on Academic Integrity at
<https://www.njit.edu/policies/sites/policies/files/academic-integrity-code.pdf>
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